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ABSTRACT

This program presents a method for improving geographic literacy in a logical and meaningful way and for inclusion of geography in every social studies class. The third grade program utilizes six questions per week over a period of 32 weeks and is designed to be used during the first five minutes of each social studies class. The program focuses on developing students' ability to locate different geographic features. A chalkboard and an atlas are the only items needs to implement the program. Questions in the program have been sequentially placed to ensure exposure to and repetition of geographic skill areas. Placement of a question within the sequence was based on recommendations made in publications of the National Council for the Social Studies. Major social studies textbook series were reviewed for question appropriateness. Over 50 geographic concepts are developed throughout the program. The book concludes with a glossary of geographic terms. (SM)

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GRØW

Geographic Review of Our World

A Daily Five-Minute Geography Program
for Grades 3-11

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GRØW

BACKGROUND INFORMATION FOR THE TEACHER

INTRODUCTION

The authors of **GRØW** are pleased to provide you with the first and only comprehensive daily geography program in the United States today. We believe geography should be part of every social studies class and **GRØW** now makes it possible. It does not make much sense for students to learn about life in ancient Greece and Rome if they do not have a general understanding and mental concept of that part of the world. Knowing basic geographical information increases students' ability to comprehend other disciplines under the rubric of social studies.

For years educators at all levels have complained about their students' lack of basic geographic literacy---this program allows social studies teachers to do something about this widespread problem in a logical and meaningful way that young people will enjoy.

PURPOSE

The purpose of this program is to increase students' knowledge and understanding of physical and political aspects of the world as they relate to geography. Moreover, the program aims to enhance students' ability to use a map to locate geographic features such as landforms and water bodies, natural and political boundaries, capitals, and other items of importance.

These purposes are achieved by having students in grades three through eleven utilize **GRØW** questions everyday during the first five minutes of their social studies classes.

ORGANIZATION AND USE OF THE PROGRAM

This program is designed to be easy to use in any social studies classroom. In grades four through eleven there are nearly three hundred questions at each level, two per day for four days of the week over a period of thirty-six weeks (Grade 3 has six questions per week for thirty-two weeks). It is suggested that teachers use the remaining day of the week for current events, testing of previous questions in the **GRØW** program, discussion of teacher generated questions about geographical aspects of the students' region, or whatever opening activities teachers choose to use.

In addition to this manual, the only items needed to implement the program are a chalkboard (or overhead projector and transparency) to allow a class to see the questions, and an atlas. Teachers need only to write the two daily questions on the board and as students begin class, they copy the questions down and begin looking for the answers. The teacher can use this time to take attendance and perform other management functions normally required at the beginning of class. Students then report their results orally or use a wall map to demonstrate the answers to the entire class as well as logging the correct answers in their notebooks. All of this can be accomplished within the first five minutes of class.

Because almost every intermediate elementary and secondary social studies textbook published today contains an atlas, students will not have to go further than opening their textbooks to the atlas section to answer most of the questions. Also, in some textbooks the maps are in the book but not in an atlas section. In this situation the teacher should provide students with a list of the types of maps that are in their books and the pages where they can be found. Should your class not have an atlas or access to a set of atlases, a good pull-down wall map of the world could be used to find most answers

If classroom atlases are used, teachers simply make sure they are on the students' desks as they come into the room. Teachers might also consider having students share atlases if such materials are limited. Whenever an atlas is used in the **GRØW** program, a proper orientation to its contents and structure should be given prior to using the daily questions.

SKILL AREAS

Questions in the **GRØW** program have been placed sequentially to ensure exposure to and repetition of geographic skill areas throughout a school's social studies course offerings. The daily questions vary immensely according to type, difficulty and content which helps to keep student interest high. There are a programmed number of questions at each level dealing with certain aspects of geography. For example, capital cities in the United States are dealt with a minimum of two times throughout the levels. There are included in **GRØW**'s scope and sequence pattern at least two questions pertaining to capital cities for most of the countries of the world. Once a term is introduced, such as oceans at grade three, each succeeding level will include a pre-determined number of more sophisticated questions regarding the world's oceans. This works to ensure repeated exposure to and utilization of these concepts.

A teacher may choose to have some students with lower achievement rates answer just one of the daily questions and finish the remaining one for homework. This helps to guarantee that only a few minutes will be needed to complete the questions at the beginning of each class.

The scope and sequence pages of this guide show the various concepts dealt with in the program beginning with the grade level in which they are introduced. Questions in the **GRØW** sequence have been placed a year after they should have been taught in the normal basal instruction, which means that little new teaching is required by the teacher in order for students to understand and answer the questions.

Placement of all **GRØW** questions within the sequence was based on recommendations made in publications of the National Council for Geographic Education and the National Council for the Social Studies. Moreover, the authors reviewed every major elementary social studies series produced in the United States as well as selected junior/middle and high school textbooks for question appropriateness.

ALTERNATIVE WAYS TO USE GRØW

Teachers can use this program in a more traditional way where every student answers every question, or they might want to vary the format in which questions are answered. For example, one grading period a teacher might have a different student answer each day which would help to ensure that everyone had a chance to find and share their answers. The teacher also might choose to have students do their work as part of a group and report in this manner.

Even though the **GRØW** program is designed to be used during the first five minutes of every social studies class, teachers should feel free to add additional information related to the questions for the day. For instance, the fifth grade question asking which country possesses the Falkland Islands (also called the Malvinas Islands) off the coast of South America could prompt a teacher to mention the Falklands War of 1982 where the United Kingdom sent troops, ships and aircraft several thousand miles to recapture these islands.

USAGE NOTES

GRØW assumes there are seven continents of the world: Africa, Antarctica, Asia, Australia, Europe, North America, and South America. Australia is a continent so it is not considered to be an island. Eurasia is referred to in the questions but as a term geographers use when speaking about the large land mass of Europe and Asia together. Oceania has not been mentioned in the program due to the lack of widespread use and acceptability of the term; however, teachers are encouraged to make note of it, when appropriate.

There seems to be inconsistency among geographic sources regarding which rivers are the longest in the world. For example, if the Missouri River is combined with the Mississippi River then this becomes the world's third largest river. However, the **GRØW** questions identify the following rivers as the longest in the world: (1) Nile (2) Amazon (3) Chang Jiang (Yangtze) (4) Mississippi, and the (5) Ob-Irtysh. **GRØW** also has questions related to seas. The following are considered to be the five largest seas in the world: (1) South China (2) Caribbean (3) Mediterranean (4) Bering (5) Okhotsk.

Questions that include the word "state" refer to a state in the United States. For brevity sake, sentence lengths have been kept to a minimum and some answers include abbreviations for states. The following page lists standard abbreviations used in this program.

Latitude and longitude questions will sometimes include the words latitude and longitude when referring to specific locations. This is done to assist students in remembering these difficult concepts. The glossary at the end of this manual presents a definition of all the geographic terms used in the **GRØW** program.

GRØW allows you to start each social studies class with a challenging and focused activity designed to increase students' time on task while learning important geographical information. You will be amazed to see how quickly this program improves students' knowledge of the world and how comfortable a repeated activity

such as this makes students feel when discovering information in an atlas or using a map. **GRØW** will require little teacher preparation time and will pay enormous dividends in the classroom.

STATE ABBREVIATIONS

Alabama	AL	Louisiana	LA	Ohio	OH
Alaska	AK	Maine	ME	Oklahoma	OK
Arizona	AZ	Maryland	MD	Oregon	OR
Arkansas	AR	Massachusetts	MA	Pennsylvania	PA
Colorado	CO	Michigan	MI	Rhode Island	RI
Connecticut	CT	Minnesota	MN	South Carolina	SC
Delaware	DL	Mississippi	MS	South Dakota	SD
Florida	FL	Missouri	MO	Tennessee	TN
Georgia	GA	Montana	MT	Texas	TX
Hawaii	HI	Nebraska	NB	Utah	UT
Idaho	ID	Nevada	NV	Vermont	VT
Idaho	ID	New Hampshire	NH	Virginia	VA
Illinois	IL	New Jersey	NJ	Washington	WA
Indiana	IA	New Mexico	NM	West Virginia	WV
Iowa	IA	New York	NY	Wisconsin	WI
Kansas	KS	North Carolina	NC	Wyoming	WY
Kentucky	KY	North Dakota	ND		

ABOUT GRØW'S AUTHORS

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GRØW SCOPE AND SEQUENCE

■ = CONCEPT INTRODUCED
● = CONCEPT REINFORCED

CONCEPT	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10	GRADE 11
COAST			■	●	●	●	●	●	●
PLAIN			■	●	●	●	●	●	●
PLATEAU			■	●	●	●	●	●	●
CONTINENT	■	●	●	●	●	●	●	●	●
SUBCONTINENT						■	●	●	●
ISLAND	■	●	●	●	●	●	●	●	●
DELTA				■	●	●	●	●	●
ARCHIPELAGO						■	●	●	●
MOUNTAIN	■	●	●	●	●	●	●	●	●
DESERT	■	●	●	●	●	●	●	●	●
PENINSULA			■	●	●	●	●	●	●
ISTHMUS			■	●	●	●	●	●	●
CAPE			■	●	●	●	●	●	●
GULF		■	●	●	●	●	●	●	●
OCEAN	■	●	●	●	●	●	●	●	●
BAY			■	●	●	●	●	●	●
SEA	■	●	●	●	●	●	●	●	●
TRIBUTARY			■	●	●	●	●	●	●
LAKE	■	●	●	●	●	●	●	●	●
RIVER	■	●	●	●	●	●	●	●	●
MOUTH - SOURCE					■	●	●	●	●
ROTATION					■	●	●	●	●
ELEVATION			■	●	●	●	●	●	●
HEMISPHERE		■	●	●	●	●	●	●	●
BORDER - BOUNDARY	■	●	●	●	●	●	●	●	●
TROPIC				■	●	●	●	●	●
CIRCLE				■	●	●	●	●	●
POLE	■	●	●	●	●	●	●	●	●
CAPITAL	■	●	●	●	●	●	●	●	●
EQUATOR	■	●	●	●	●	●	●	●	●
DIRECTION (CARDINAL)	■	●	●	●	●	●	●	●	●
DIRECTION (INTERMEDIATE)			■	●	●	●	●	●	●
LATITUDE - LONGITUDE				■	●	●	●	●	●

GRØW SCOPE AND SEQUENCE

■ = CONCEPT INTRODUCED
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CONCEPT	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10	GRADE 11
PARALLEL				■	●	●	●	●	●
MERIDIAN				■	●	●	●	●	●
PRIME MERIDIAN				■	●	●	●	●	●
INTERNATIONAL DATE LINE				■	●	●	●	●	●
DEGREE					■	●	●	●	●
LOCATION	■	●	●	●	●	●	●	●	●
KEY - LEGEND	■	●	●	●	●	●	●	●	●
SCALE - DISTANCE	■	●	●	●	●	●	●	●	●
SYMBOL	■	●	●	●	●	●	●	●	●
CITY	■	●	●	●	●	●	●	●	●
STATE (UNITED STATES)	■	●	●	●	●	●	●	●	●
COMPASS - COMPASS ROSE	■	●	●	●	●	●	●	●	●
MAP	■	●	●	●	●	●	●	●	●
LANDLOCKED			■	●	●	●	●	●	●
AREA	■	●	●	●	●	●	●	●	●
TIME ZONE					■	●	●	●	●
SOVEREIGNTY			■	●	●	●	●	●	●
CONTIGUOUS			■	●	●	●	●	●	●
COUNTRY	■	●	●	●	●	●	●	●	●
STRAIT			■	●	●	●	●	●	●

Your ideas and suggestions regarding the use of the **GRØW** program are solicited. Please send your comments to the authors at **GRØW** Publications.

GRØW
Grade 3 - Week 1

CONCEPTS	QUESTIONS	ANSWERS
Map Lake	1. What is a map? Write a definition in your own words. 2. Find an example of a lake on the map. Now, define a lake in your own words.	1. A drawing of the Earth (or some other surface) or part of the Earth on a flat surface 2. Examples of a lake will vary; a body of water completely surrounded by land
Direction, map Equator	1. A _____ is a drawing that shows directions on a map. 2. What is the name given to the imaginary line that divides the Earth into two parts?	1. Compass (or compass rose) 2. Equator
Continent Direction, compass	1. The largest bodies of land on Earth are called _____. 2. Place the four major or cardinal directions on a compass.	1. Continents 2. Compass should have north, east, south, and west indicated

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GRØW
Grade 3 - Week 2

CONCEPTS	QUESTIONS	ANSWERS
Continent	1. What are the names of the seven continents of the world?	1. Antarctica, Africa, Asia, Australia, North and South America, Europe
Symbol, map, capital	2. What map symbol is usually found next to a state's capital city?	2. A star
Border	1. A border is a line that marks the spot where one place or thing starts and another ends. What borders the state of Montana to the north?	1. Canada
River	2. A _____ is a long body of water that flows through land.	2. River
Capital	1. Find your state's capital city on the map. Why is a capital city important?	1. A capital is the location of the seat of government or the place where a state's leaders meet and work
Equator	2. Do temperatures get cooler or warmer as you get closer to the Equator?	2. Warmer

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GRØW
Grade 3 - Week 3

CONCEPTS	QUESTIONS	ANSWERS
Symbol	1. What symbol is next to Washington DC on your map? What does this symbol mean?	1. A star or dot with a circle around it; a national capital
City, state	2. Which of the following is not a state: Idaho, New Mexico, Chicago?	2. Chicago
Symbol	1. What color is shown the most on a map of the world?	1. Blue (water)
Continent	2. How many continents are there in the world?	2. Seven
Location	1. How many states are there in the United States: 10, 25, 50?	1. 50
Capital	2. What state capital has a "spicy" name?	2. Salt Lake City (Utah)

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GRØW
Grade 3 - Week 4

CONCEPTS	QUESTIONS	ANSWERS
Continent, pole	1. On what continent is the South Pole located?	1. Antarctica
Location	2. How many states in the United States touch one another?	2. Forty-eight
Location	1. Bill and Tom went on a trip from North Dakota to Oklahoma. What states did they probably travel through to get there?	1. South Dakota, Nebraska, Kansas
Border	2. What state borders Washington and Oregon to the east?	2. Idaho
Desert	1. A very dry area where few plants grow is called a _____.	1. Desert
Ocean	2. What are the names of the Earth's four oceans?	2. Atlantic, Arctic, Pacific, Indian

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GRØW
Grade 3 - Week 5

CONCEPTS	QUESTIONS	ANSWERS
Ocean, area, sea Lake	1. Which is usually larger, a sea or an ocean? 2. What are the names of the five Great Lakes?	1. Ocean 2. Superior, Michigan, Huron, Erie, Ontario
Island Location, direction	1. What is the name given to a body of land with water all around it? 2. What country is our closest southern neighbor?	1. An island 2. Mexico
Ocean, border Direction	1. Which oceans border Europe? 2. If you know that north is directly in front of you, in what direction would you turn to go east?	1. Atlantic, Arctic 2. Right

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GRØW
Grade 3 - Week 6

CONCEPTS	QUESTIONS	ANSWERS
Pole	1. The _____ Pole is directly opposite the South Pole.	1. North
Continent	2. Name the continents that have a capital "A" in their names.	2. North and South America, Asia, Australia, Antarctica, Africa
Ocean, border	1. Which three oceans border the United States?	1. Pacific, Atlantic, Arctic
Area	2. Which country has more land, Mexico or the United States?	2. United States (fourth largest in the world by land area)
Mountain, river, direction	1. Are the Rocky Mountains east or west of the Mississippi River?	1. West
Ocean, area	2. Which ocean is the largest in the world?	2. Pacific

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GRØW
Grade 3 - Week 7

CONCEPTS	QUESTIONS	ANSWERS
Direction, location	1. Which country is our closest northern neighbor?	1. Canada
Continent	2. South America is a _____.	2. Continent
Location, river, direction	1. Including Minnesota and Louisiana there are twenty-four states west of the Mississippi River, how many are east?	1. Twenty-six
Location	2. Only one state begins with the letter "U." Which state is it?	2. Utah
Ocean, location	1. Which of the following baseball teams play their home games in cities near an ocean: Los Angeles Dodgers, New York Yankees, Kansas City Royals?	1. Los Angeles Dodgers (Pacific), New York Yankees (Atlantic)
Capital	2. Denver is the capital of _____.	2. Colorado

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GRØW
Grade 3 - Week 8

CONCEPTS	QUESTIONS	ANSWERS
Ocean, direction	1. What ocean is north of Asia?	1. Arctic
Capital, direction	2. Which of these state capitals is the farthest south: Columbia, Oklahoma City, Jackson?	2. Jackson (Mississippi)
Continent, area	1. Which continent has more land, Asia or South America?	1. Asia (largest continent in the world by land area)
Ocean, direction	2. What ocean is west of California?	2. Pacific
Equator, continent	1. What continents does the Equator pass through?	1. South America, Africa, (Asia, if you count its islands)
Direction, pole	2. What is the only direction a person can travel from the South Pole?	2. North

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GRØW
Grade 3 - Week 9

CONCEPTS	QUESTIONS	ANSWERS
Border	1. What two countries border the United States?	1. Canada, Mexico
Ocean	2. What ocean surrounds Hawaii?	2. Pacific
Lake	1. What state has four large lakes touching it?	1. Michigan (Erie, Huron, Superior, Michigan)
Location, continent	2. Besides Canada, Mexico and the United States, name three countries located in North America.	2. Answers will vary-accept countries in Central America and the West Indies (Greenland, too)
Continent, Equator	1. What continent is cut almost in half by the Equator?	1. Africa
Border, lake, location	2. How many states border Lake Erie?	2. Four: Michigan, Ohio, Pennsylvania, New York

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GRØW
Grade 3 - Week 10

CONCEPTS	QUESTIONS	ANSWERS
Ocean, direction	1. What ocean is east of North America?	1. Atlantic
Equator	2. Write a defintion of the Equator.	2. An imaginary line that divides the Earth in half
Ocean, border	1. Which of these states is not bordered by the Atlantic Ocean: New Jersey, Delaware, Vermont?	1. Vermont
Continent, area	2. Which continent has the smallest amount of land?	2. Australia
Sea, lake, ocean, area	1. Which is larger, a sea, a lake, or an ocean?	1. Ocean
Continent	2. Which continent comes first when placed in alphabetical order?	2. Africa

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GRØW
Grade 3 - Week 11

CONCEPTS	QUESTIONS	ANSWERS
City, state	1. Which of the following is not a city: Los Angeles, Washington DC, Ohio, Dallas?	1. Ohio
Area	2. Which state has more land, Texas or Oklahoma?	2. Texas
Border, ocean	1. Which state has a longer border on the Pacific Ocean, Washington or Oregon?	1. Oregon
Direction, river, location	2. Name two of the five states east of the Mississippi River that begin with the letter "M."	2. Choices: Mississippi, Michigan, Massachusetts, Maine, Maryland
Direction, lake	1. Which of the five Great Lakes is farthest east?	1. Ontario
Pole, continent, location	2. Is the North Pole located on a continent? If not, where is it located?	2. No; in the Arctic Ocean

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Grade 3 - Week 12

CONCEPTS	QUESTIONS	ANSWERS
Location	1. Three states begin with the letter "C." What are their names?	1. Colorado, California, Connecticut
Ocean, border	2. What is the only state bordered by two oceans?	2. Alaska (by the Pacific and Arctic)
Capital	1. What state capital has a "fort" in its name?	1. Frankfort (Kentucky)
Location	2. How many states are there in the United States?	2. Fifty
Continent, area	1. Which continent has more land, Europe or Asia?	1. Asia (largest continent in the world by land area)
Location	2. What is the only state in the United States that ends with the letter "k?"	2. New York

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Grade 3 - Week 13

CONCEPTS	QUESTIONS	ANSWERS
Location, border	1. Name two of the four states that border Mexico.	1. Choices: Texas, New Mexico, California, Arizona
Location	2. In what state would you be if you saw a home game of the Philadelphia Phillies?	2. Pennsylvania
Capital	1. What state capital has a "bouncy" name?	1. Springfield (Illinois)
Location, direction	2. In what part of the United States is Missouri located: east, west, central?	2. Central
Area	1. Which country has more land, Canada or Mexico?	1. Canada (second largest in the world by land area behind the Soviet Union)
Sea	2. Does the Bering Sea touch the United States? If yes, where?	2. Yes; Alaska

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Grade 3 - Week 14

CONCEPTS	QUESTIONS	ANSWERS
Location	1. What two states have the word "Carol" in their name?	1. North and South Carolina
Direction, river, location	2. Name the two states west of the Mississippi River that begin with the letter "I."	2. Idaho, Iowa
Equator, location, pole	1. What direction is the Equator from the South Pole?	1. North
Direction	2. What direction would you need to go if you wanted to travel from Georgia to Mississippi?	2. West
Location	1. There are four states that begin with the word "New." Name two of them.	1. Choices: New York, New Hampshire, New Mexico, New Jersey
Location, capital	2. If you had a friend who lived in the capital city of Boston, in what state would he (or she) live?	2. Massachusetts

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GRØW
Grade 3 - Week 15

CONCEPTS	QUESTIONS	ANSWERS
Location	1. Which states begin with the letter "O?"	1. Ohio, Oklahoma, Oregon
Location	2. What states do the following football teams play their home games in: Dallas Cowboys, Miami Dolphins?	2. Dallas (Texas), Miami (Florida)
Continent, area	1. Which continent has the most land?	1. Asia
Location, capital	2. Name two state capitals that have the word "son" in their name.	2. Choices: Carson City (NV), Madison (WI), Jackson (MS), Jefferson City (MO)
Location	1. In what state is Los Angeles located?	1. California
Ocean	2. Is West Virginia closer to the Pacific or Atlantic Ocean?	2. Atlantic

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Grade 3 - Week 16

CONCEPTS	QUESTIONS	ANSWERS
Location, direction	1. John and Susan traveled with their mom from the eastern part of Virginia to Florida. How many states did they probably go through to get there?	1. Three: North and South Carolina, Georgia
Capital	2. What state capital has the same name as a famous explorer?	2. Columbus (Ohio)
Location	1. Name three states that begin with a capital "M."	1. Choices: ME, MD, MA, MI, MN, MS, MO, MT
Equator, continent	2. The Equator crosses what three continents?	2. Africa, South America, Asia (its islands)
Location, border	1. Name at least three states that border Canada.	1. Choices: AL, WA, ID, MT, ND, MN, MI, NY, VT, NH, ME
Capital	2. What state capital has an "expensive" name?	2. Richmond (Virginia)

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Grade 3 - Week 17

CONCEPTS	QUESTIONS	ANSWERS
Desert, location, direction	1. Where would you most likely find a desert, in the northern or southern part of the United States? Why?	1. Southern; closer to the Equator
Location	2. Is Mexico part of North or South America?	2. North America
Area	1. Which state has more land, Louisiana or Vermont?	1. Louisiana
River, border	2. What river forms the border between Indiana and Kentucky?	2. Ohio
Lake, area	1. Which is larger, Lake Superior or Erie?	1. Superior (second largest in the world behind the Caspian Sea)
Location	2. Is South Dakota or Idaho closer to Canada?	2. Idaho

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GRØW
Grade 3 - Week 18

CONCEPTS	QUESTIONS	ANSWERS
Continent	1. Where does North America end and South America begin?	1. Panama/Colombia border
Location, direction, Equator	2. How many states are north of the Equator?	2. All fifty
River, direction	1. What major river flows into the Mississippi River just north of St. Louis, Missouri?	1. Missouri
Compass, sea	2. How could a compass help you if you were lost at sea in a lifeboat?	2. It could point towards the various directions and hopefully help you find land
Desert	1. Which state probably has a desert, Alaska or Arizona?	1. Arizona
Location, direction, river	2. Name one state east of the Mississippi River that begins with the letter "N."	2. Choices: New Hampshire, North Carolina, New York

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GRØW
Grade 3 - Week 19

CONCEPTS	QUESTIONS	ANSWERS
Location	1. What state begins with the letter "G?"	1. Georgia
Ocean, border	2. Name the three oceans that border Antarctica?	2. India, Pacific, Atlantic
Lake	1. What is the name given to the large group of five lakes in the United States?	1. Great Lakes
Ocean	2. What two oceans touch Australia?	2. Indian, Pacific
Island	1. What is the name of the only state in the United States that is really several islands?	1. Hawaii
Ocean, direction	2. What ocean is east of where you live?	2. Atlantic (except for residents of Hawaii)

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GRØW
Grade 3 - Week 20

CONCEPTS	QUESTIONS	ANSWERS
Location	1. The city of New York is located in what state?	1. New York
Pole	2. What imaginary line lies halfway between the North and South Poles?	2. Equator
Location, lake	1. What state shares its name with one of the Great Lakes?	1. Michigan
Location, direction	2. You know that your mom was born in Topeka. In what state is this city located?	2. Kansas
Ocean	1. Is the Arctic Ocean closer to South America or Africa?	1. Africa
Location, direction	2. Is Washington DC in the eastern or western part of the United States?	2. Eastern

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GRØW
Grade 3 - Week 21

CONCEPTS	QUESTIONS	ANSWERS
Island, direction	1. What is the name of the large island nation just south of Florida?	1. Cuba (largest island in the Caribbean Sea)
Ocean, area	2. Which is the largest ocean in the world? the smallest?	2. Pacific; Arctic
Direction, lake	1. What direction is Lake Ontario from Lake Michigan?	1. East
Continent, area	2. Which continent has more land, Europe or South America?	2. South America
River, boundary	1. What river forms part of the boundary between Texas and Mexico?	1. Rio Grande
Ocean, continent	2. The Arctic Ocean touches what three continents?	2. Asia, Europe, North America

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GRØW
Grade 3 - Week 22

CONCEPTS	QUESTIONS	ANSWERS
Capital	1. What state capital has a name that includes a month of the year?	1. Augusta (Maine)
Distance, scale	2. Does one inch equal the same amount of real miles on all maps? Why or why not?	2. No; maps are drawn to different scales depending on the size of land being shown on the map
Border, sea	1. Which state has the longest border on the Caribbean Sea?	1. Florida
Location	2. Which word is misspelled: Talahassee or Mississippi?	2. Tallahassee
Capital	1. Which state capital is the opposite of "girlse?"	1. Boise (Idaho)
Direction, border	2. What body of water serves as Iowa's eastern border?	2. Mississippi River

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GRØW
Grade 3 - Week 23

CONCEPTS	QUESTIONS	ANSWERS
Ocean, border	1. Which ocean does South Carolina border?	1. Atlantic
Border	2. What is the name of the state that borders only one state?	2. Maine
Border	1. Which state doesn't border Canada: North Dakota, Idaho, Pennsylvania?	1. Pennsylvania
Location, direction	2. What state is south of Georgia?	2. Florida
Ocean, Equator	1. What oceans does the Equator pass through?	1. Atlantic, Pacific, Indian
River, border	2. What river forms the border between Arizona and California?	2. Colorado

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GRØW
Grade 3 - Week 24

CONCEPTS	QUESTIONS	ANSWERS
Location, capital	1. Name two state capitals that contain a name of a United States president.	1. Choices: Lincoln (NE), Jefferson City (MO), Jackson (MS), Madison (WI)
Ocean	2. What is the name of the ocean located between Africa and Australia?	2. Indian
Location	1. Is it usually warmer year around in Texas or Ohio? Why?	1. Texas; closer to the Equator
Location, capital	2. Find one state capital city that has part of its state's name in its name.	2. Choices: Oklahoma City (Oklahoma), Indianapolis (Indiana)
Capital	1. What is the capital of Hawaii, the state known as the "Aloha" state?	1. Honolulu
Ocean, direction	2. What ocean is west of Africa?	2. Atlantic

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GRØW
Grade 3 - Week 25

CONCEPTS	QUESTIONS	ANSWERS
Location	1. If you met a friend on vacation who lived in Atlanta, he/she would be a resident of what state?	1. Georgia
Capital	2. What state capital might remind you of "St. Nicholas?"	2. Santa Fe (New Mexico)
Area	1. Which state has more land, Maine or Connecticut?	1. Maine
Location	2. What are the names of the two states not connected to the other forty-eight?	2. Alaska, Hawaii
Direction, Equator	1. Is the Soviet Union north or south of the Equator?	1. North
Location	2. In what states do the following baseball teams play their home games: Chicago Cubs, Pittsburgh Pirates?	2. Chicago Cubs (Illinois), Pittsburgh Pirates (Pennsylvania)

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GRØW
Grade 3 - Week 26

CONCEPTS	QUESTIONS	ANSWERS
Location, capital	1. In what state was your grandfather born if he was born in the capital city of Cheyenne?	1. Wyoming
Continent	2. What continent begins with a capital "N?"	2. North America
Equator	1. Who lives closer to the Equator, a farmer in Kansas or a bricklayer in Mexico?	1. Bricklayer in Mexico
Capital	2. Is Minneapolis or St. Paul the capital of Minnesota?	2. St. Paul
Equator, ocean	1. The Equator does not cross what ocean?	1. Arctic
Location, continent	2. How many states are on the North American continent?	2. Forty-nine

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GRØW
Grade 3 - Week 27

CONCEPTS	QUESTIONS	ANSWERS
Mountain, river, direction	1. Are the Appalachian Mountains east or west of the Mississippi River?	1. East
Capital	2. Name at least two state capitals that have two or more words in their names.	2. Choices: nine states if you include Iowa-UT, NV, NM, OK, MN, MO, LA, AK
Ocean, direction	1. Which ocean is north of Alaska?	1. Arctic
River	2. Which is longer, the Mississippi or the Colorado River?	2. Mississippi (longest on the North American continent)
Direction, pole	1. If you flew by airplane from the North Pole to Mexico, in what direction would you have traveled?	1. South
Continent	2. Which continent is south of South America?	2. Antarctica

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GRØW
Grade 3 - Week 28

CONCEPTS	QUESTIONS	ANSWERS
Location, border	1. Find a state that borders only two other states.	1. Choices: Rhode Island, Florida, Washington
Ocean, direction	2. What ocean borders the United States to the east?	2. Atlantic
Direction, location	1. Which state is farther west, Oklahoma or Colorado?	1. Colorado
River, boundary	2. What river forms the southern boundaries of Ohio and Indiana?	2. Ohio
Location, continent	1. Which continent has no countries?	1. Antarctica
Border	2. Which two states do not border any other states?	2. Alaska, Hawaii

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GRØW
Grade 3 - Week 29

CONCEPTS	QUESTIONS	ANSWERS
Location	1. What country, besides Canada, is located very close to Alaska?	1. Soviet Union (just across the Bering Strait)
Location, river, direction	2. In the United States, how many capital cities having two words in their names are east of the Mississippi River?	2. Two: Baton Rouge (Louisiana), St. Paul (Minnesota)
Lake, direction	1. Which of the Great Lakes is farthest north?	1. Superior
Capital	2. What is the capital of Mexico?	2. Mexico City
Capital	1. Unscramble this state and tell the name of its capital city: VDANAE.	1. Nevada (Carson City)
Continent, Equator	2. Name the two continents that are completely below the Equator.	2. Australia, Antarctica

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GRØW
Grade 3 - Week 30

CONCEPTS	QUESTIONS	ANSWERS
Location, direction, river	1. What three states west of the Mississippi River begin with the letter "A?"	1. Alaska, Arizona, Arkansas
Location	2. Does the Earth have more areas of water or land?	2. Water (70% percent)
Capital	1. What is the capital of Canada?	1. Ottawa
Location	2. What is the only city in the United States that is not really in a state?	2. Washington DC
Direction	1. If you are facing _____, west will be to the right of you.	1. South
Direction, Equator	2. Is Africa north or south of the Equator?	2. Both

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GRØW
Grade 3 - Week 31

CONCEPTS	QUESTIONS	ANSWERS
Ocean, direction	1. What ocean is west of Mexico?	1. Pacific
Continent, area	2. Which continent has the most land, North America or Asia?	2. Asia (largest continent in the world by land area)
Location, lake	1. Which state is cut in two by a large lake?	1. Michigan
Location, border	2. What states border Connecticut?	2. New York, Rhode Island, Massachusetts
Border, ocean	1. What states border the Pacific Ocean?	1. Alaska, California, Oregon, Washington, Hawaii
Capital	2. Is the city of New York the capital of New York?	2. No: Albany is the capital of New York

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GRØW
Grade 3 - Week 32

CONCEPTS	QUESTIONS	ANSWERS
Location, capital	1. Is the capital of Canada in the eastern or western part of the country?	1. Ottawa is in the eastern part of Canada
Location	2. In what state is New Orleans located?	2. Louisiana
Direction, sea	1. What sea is south of Florida?	1. Caribbean
Capital	2. Which of the following are capital cities: Trenton, Miami, Helena?	2. Trenton (New Jersey), Helena (Montana)
Ocean, border	1. What oceans border Canada?	1. Arctic, Atlantic, Pacific
Continent	2. Which continent comes last when placed in alphabetical order?	2. South America

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GLOSSARY OF KEY TERMS USED IN THE GRØW PROGRAM

Archipelago - a group or chain of islands

Area - the amount of surface a certain geographic feature covers

Bay - a small body of water extending into land, usually smaller than a gulf

Border/boundary - a line where one place or thing starts and another ends

Cape - a point of land extending into water, usually smaller than a peninsula

Capital - the location of the seat of government

Cardinal directions - the four major directions: north, south, east and west

Circle - an imaginary line of latitude either north (Arctic) or south (Antarctic) of the Equator

City - a community with many people

Coast - the land along the edge of an ocean or sea

Compass/compass rose - instrument or map drawing that is used to show direction

Contiguous - the group of forty-eight states that are linked together

Country - a group of people with their own government and land

Degree - a point of measurement for lines of latitude and longitude

Delta - a low, fan-shaped area of soil (termed alluvial) at a river's mouth

Desert - land area with little or no precipitation and few plants

Distance - the space between two points on the Earth's surface

Elevation - height of land above sea level

Equator - an imaginary line (of latitude) that divides the Earth into two equal parts

Gulf - a part of an ocean or sea that extends into land

Hemisphere - one of the four half circles of the Earth, referred to as: Northern, Southern, Eastern and Western

Intermediate directions - the four directions that lie between the major or cardinal directions: northeast, northwest, southeast, southwest

International Date Line - a line of longitude 180 degrees east and west of the Prime Meridian along which the date changes by one day

Island - an area of land completely surrounded by water

Isthmus - a narrow strip of land located between two bodies of water that connects two larger areas of land

Key/legend - part of a map that explains what the symbols mean

Lake - body of water completely surrounded by land

Landlocked - an area of land that is enclosed or nearly enclosed by land

Latitude/longitude - the grid lines on a map that run east and west (latitude) and measure distances north and south of the Equator and the grid lines on a map that run north and south (longitude) and measure distances east and west of the Prime Meridian

Location - a point on the Earth's surface

Map - a representation of Earth or part of the Earth on a flat surface

Meridian - a line of longitude running north and south that measures distances east and west of the Prime Meridian

Mountain - the highest form of land on the Earth's surface

Mouth/source - the mouth is where a river or stream ends or flows into another body of water and the source is where a river or stream begins

Ocean - one of the four large bodies of salt water on the Earth's surface

Parallel - a line of latitude running east and west that measures distances north and south of the Equator

Peninsula - an area of land surrounded by water on three sides

Plain - a flat or level area of land

Plateau - an area of high, flat land

Pole - a geographical location either the most northern (North) or southern (South) point on the Earth's surface

Prime Meridian - the starting point (O degree) for lines of longitude that passes through Greenwich, England

River - a large body of flowing water

Rotation - the turning of the Earth on its axis approximately once every twenty-four hours

Scale - part of a map that shows what distances on the map stand for in actual distances

Sovereignty - the group of people who exert control over a certain area

State - one of the fifty states that makeup the United States of America

Strait - a narrow body of water connecting two larger bodies of water

Subcontinent - part of a continent that is separate from the rest of the land mass

Time zone - one of twenty-four areas on Earth within which all places have the same clock time

Tributary - a stream feeding a larger stream or a lake

Tropic - a line of latitude either 23 1/2 degrees N (Cancer) or 23 1/2 degrees S (Capricorn) of the Equator. These lines mark the "tropics" or the most northern and southern positions at which the sun's rays fall vertically on the Earth